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REPORT

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Radio and Radar Installations in East Germany

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25X1

- 2 -

The previously reported 3 radio installations of 4 masts outside of the wall around Flak Kaserne remained unchanged as of 31 July. During early August, one of the 4 mast radio installations was replaced by an installation of a new type which consisted of a radio truck that was surrounded by 7 braced masts, each about 5 meters high. 2

4. Demmin radar station. During late April 1955, the radar station at the eastern exit of Demmin was still equipped with a Dumbo-type set. Three radio trucks on blocks and 3 trucks were also observed. A white circle 25 to 30 cm in diameter was painted on the rear side of one radio truck. The same marking had been observed on a motor vehicle in Neubrandenburg. Some of the soldiers assigned to the station wore blue-bordered black epaulets with narrow brass strips at one end of the epaulets and other soldiers wore black-bordered black epaulets with signal insignia. Two vehicles loaded with long timber were seen moving toward the installation.

In late June, construction work was completed on 3 underground quartering buildings or bunkers which were covered with heavy beams. The bunkers were then covered with sod so that the surmounting sections could be scarcely recognized. This area was about 50 meters square, which was surrounded by a solid fence and was illuminated by 2 searchlights at night.

On 18 June, 3 radio trucks were parked side-by-side outside of the installation.

On 10 July, the radio truck, dumbo-type set, and wooden antenna masts were no longer observed but soldiers and sentries were still seen in the emplacement.

On 1 August, the Dumbo-type radar set and 2 radio trucks were again seen in the installation. The Dumbo-set did not rotate. Wooden masts interconnected by 3 strong wires with the usual white porcelain insulators were placed about 50 meters apart between Jarmer Strasse and the installation. The wires came from a transformer house north of Jarmer Strasse. On 10 August, no changes were observed on the installation. 3

5. Perleberg radar station. The previously reported radar station was no longer observed at Perleberg airfield. 4

25X1

6. Pritzwalk radar station. In late July and on 24 August 1955, a radar station was observed on a hill near Hasenwinkel about 3 km northwest of Pritzwalk. The installation consisted of a Token-type set, mounted on a carriage on a raised sand hill. The set rotated slowly making complete revolution. There was another radar set of an unidentified type which was rotating slowly making complete

SECRET

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25X1

- 3 -

revolutions but alternated its directions. Next to this set was a semi-underground wooden bunker with one window through which a man with headphones was recognized. A thick rubber cable extended from the radar set to this bunker. Further, there were 2 steel masts 15 to 18 meters and braced by 3 guy wires. The mastheads were interconnected by a double antenna. Near the antenna was a radio truck on blocks and next to this truck was a generator on blocks. Some trucks were parked near the highway leading to Putlitz. About 2 officers and 30 to 40 men wearing blue-bordered black epaulets were seen in the installation. 4

7. Gardelegen radar station. Between late July and 12 August 1955, the radar station on triangulation point 63.2 near the former Gardelegen airfield was observed. The installation consisted of 1 Token, 1 Kniferest, 1 Dumbo, 4 trucks parked in earth revetments and 1 earth bunker for about 25 men. Two 3-axle radio trucks were occasionally observed. Soldiers wearing black-bordered black epaulets with an insignia representing bundled lightning flashes were repeatedly observed entering and leaving the installation. The radar station was connected to the current line along the road to Stendal by a 4-string cable, about 4.8 mm in diameter and supported by masts. 5
8. Plauen radar station. After 10 May 1955, the Token-type set, temporary buildings and vehicles were no longer observed in the radar station at the water tower west of Plauen. Only a Kniferest-type set was still available. On 5 June, the Token-type set was observed on a hill, about 30 meters high, 300 to 400 m north of the road fork formed by Plauen-Syrâu and Plauen-Oberjoessnitz roads.
- On 4 July, it was observed for the first time that the Kniferest-type set was dismantled in the station near the water tower. On the same day, the new installation was equipped with 2 Kniferest-type sets in addition to the Token.
- On 29 July, the new installation was equipped with 1 Token, 2 Kniferests, 2 Fishnets and 5 motor vehicles. It was difficult to observe the installation because of brushwood and small trees.
- On 12 September, no change was observed in the installation. At about 1800, the soldiers in the installation were relieved by personnel who arrived by truck. The soldiers wore red-bordered black epaulets with signal insignia. 6
9. Radar station on "Kleiner Entenfaengerberg" east of Terder. In mid-May 1955, no changes were observed on the radar set where, from a distance of about 1 km, only a vertical concave reflector could be seen. The entire plane of the reflector seemed to be neither translucent nor covered with a metal screen, except for a bright cross stripe both in the upper and lower halves.

25X1

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25X1

- 4 -

After late April. a Kniferest-type set was observed about 20 meters east of the large set. There were 5 masts observed but no antenna wires could be seen.

In mid-August. the large set was still unchanged and rotary movements were seldom observed. On 10 August, the Kniferest-type set was replaced by an antenna system consisting of 4 pairs of dipoles placed at a right angle to each other. 7

10. Radar station on Apollensberg near Wittenberg. At about 1100 on 6 July, a crane was mounted by several EM near the Token-type radar set on Apollensberg. The set was dismantled at about 1300 on the same day. At about 1200 on 16 July, the Token-type set was again observed at its previous location. No activity was observed in the installation.

11. Neuhaus Rennsteig radar station. On 7 August, 2 Kniferest-type radar sets were observed in the previously reported station at the western entrance to Neuhaus am Rennsteig. A radio truck was parked under a lean-to roof next to each set. The installation was supplied with electric current from a generator which was operated by a gasoline motor. It was also connected to the Neuhaus public supply equipped with a meter for 10 Amperes and 220 Volts. The entire installation was equipped with lamps with built-in intensive fittings. Another radio truck and 8 to 10 gasoline drums were observed in a wooded area near the installation. Two additional radio trucks were parked in a shed near the villa located in the station. The installation including the villa were occupied by 80 to 90 Soviets who wore green-bordered black epaulets. One officer wore claret-bordered silver epaulets with 2 stars and a claret-colored ribbon around his cap. 8

25X1

12. Air Warning Station near Rudolstadt. Between 4 May and 7 September 1955, no changes were observed on Luisenturm on Hummelberg near Rudolstadt. From 2 to 6 female KVP members were seen in the glazed superstructure on the tower. The entrance to the tower was guarded by a KVP sentry. An antenna of an unidentified shape was mounted on top of the tower.

Between 8 May and 8 September, the tower on Justinushoehe west of Rudolstadt was still occupied by Soviets. Two or 3 soldiers were usually seen on the platform of the tower. A sentry was posted in the middle section of the tower and another sentry was observed at Zeigersheimer Strasse where a path branched off to Justinushoehe. The latter sentry who wore black-bordered blue epaulets, was regularly relieved at 1730, presumably by soldiers quartered in Flak Kaserne in Rudolstadt. Two or 3 soldiers were also posted on the former Bismarck Tower, now called Geschwister-Scholl Tower, located about 600 meters west of Prinz Eugen Kaserne. It was an old brick tower with a wooden roof which mounted a rod antenna about 5 meters high. A cable and a current line extended from the tower to Prinz Eugen Kaserne. The area around the tower was about 1 square kilometer and was off limits. 9

SECRET -

25X1

SECRET -

- 5 -

25X1

13. Radio installation at Johannisthal airfield.
On 22 August, no changes were observed on the previously reported 4-mast radio installations on Berlin-Johannisthal airfield. One installation was located approximately in the middle of the field and the other one at the western edge of the airfield which was not utilized. Both installations were occupied by Soviet soldiers who were probably quartered in the former camp of Organisation Todt at Grossherliner Damm.

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14. Radio installation north of Meissen. During May 1955, a third 4-mast radio installation with a radio truck was established near the 2 other 4-mast installations west of the Meissen-Okrilla road in line with the Bohnitzsch Kaserne. The 3 radio installations were located 500, 750 and 1,000 meters west of the afore-mentioned road. While the masts of the 2 previously observed installations were about 7 meters high, the masts of the new installation had a height of about 10 meters. Soldiers wearing black-bordered blue epaulets were occasionally observed entering and leaving the latter installation.

On 22 June, the 3 radio installations were dismantled at short intervals beginning with the 10-meter masts.

On 26 July, and 27 August, the two installations with the 7-meter masts were again observed. 11

15. Decimeter station near Magdeburg-Schoenebeck. On 14 May 1955, it was observed from a railroad line at a distance of about 2 km that a radio mast 70 to 80 meters high, presumably a steel structure with square cross section and braced by guy wires, was newly established on triangulation point 115 about 5 km northeast of Magdeburg-Schoenebeck. Two single-story brick buildings were seen at the foot of the mast.

16. Training course for KVP aircraft reporting personnel.
Between 27 July and 20 August 1955, the 2nd Mecz Regt of the Mecz Div of the KVP in Eggesin-Karpin held a training course for aircraft reporting personnel subdivided into 9 groups of 4 men each. The trainees presumably belonged to the unit mentioned. Aircraft recognition was practiced in the open in fair weather by means of aircraft charts. 12

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17. Stahnsdorf radio installations. The following observations were made at the installation between early May and 12 September 1955:
Early May. A third radio installation of 6 masts and a radio truck with a rod antenna about 2 meters high mounted on the middle of the truck roof was observed next to the two 4-mast radio installations between Siegfeld Kaserne and Ludendorff Kaserne in Stahnsdorf. A slightly sagging cable extended from the middle of each mast to each of 6 tubes mounted perpendicularly on the roof of the radio truck. The tips of the tubes were slightly bent.

SECRET

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- 6 -

7 June. Another group of radio installations was observed about 300 meters north of Schlieffen Kaserne just east of the so-called cemetery for dogs where an area about 150 meters square had been graded by the Soviets. An installation of 6 masts and a radio truck was established in the Western section of this area, and two 4-mast installations each with a DF cabin were seen in the eastern section. Various lines extended from the area to Schlieffen Kaserne. Another larger radio installation was observed on triangulation point 52, about 1,500 meters southeast of Stahnsdorf. A large and slightly concave reflector, similar to that of a Token-type set, and placed laterally was observed from a distance of about 400 meters. Some antenna masts, a van-like truck and some trucks were seen next to the set. Two wires supported by masts extended from this installation to Siegfeld Kaserne. The installation was camouflaged by brushwood. About 350 meters west of Ludendorff Kaserne there was a hut with a rod antenna and next to it 2 masts interconnected by a wire, and a small motor which was partially covered with boards. Wires extended from the hut to Siegfeld Kaserne, Ludendorff Kaserne and Schlieffen Kaserne.

20 May. The three radio installations, previously located about 300 meters north of Schlieffen Kaserne, were dismantled except for 2 DF cabins.

3 August. The three radio installations were re-established at their former locations and no changes were observed on the other installations. An additional 6-mast radio installation was observed about 50 meters south of Ludendorff Kaserne. The area south of Ludendorff Kaserne where the 3 radio installations were located was surrounded by a board fence about 1.5 meters high. At night, the area was illuminated by 4 searchlights placed at the 4 corners.

21 August. An additional 6-mast radio installation with a radio truck was established in the area about 300 meters north of Schlieffen Kaserne. Thus, the installation now consisted of two 4-mast and two 6-mast radio installations.

6 to 12 September. No changes were observed on the previously described radio installations. As previously, Po-2s and Yak-14s crossed over the installations almost every day. Construction work was being done on a new radio installation about 500 meters west of the large sewerage plant of Stahnsdorf, 1,250 meters east of Ludendorff Kaserne. As far as observed, the installation would consist of 8 masts, presumably arranged in a circle, and a radio truck.

The following occupation strengths were observed in the barracks buildings in Stahnsdorf between May and September 1955:

Siegfeld Kaserne	approximately 800 men
Ludendorff Kaserne	" 300 men
Schlieffen Kaserne	" 600 men

The soldiers observed wore black-bordered black, black-bordered blue and black-bordered claret epaulets. 13

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- 7 -

1. Comment. For sketch of fenced-in area near Dranske, see Annex 1. For sketch of one mast, see Annex 2. The purpose of the installation described in the present report is unknown. The previously known radar station near Dranske is located farther north near Rehbergort and was probably not recognized by the untrained observer. 25X1
2. Comment. Soviet Army units are quartered in the Flak Kaserne in Wismar. The reported sets probably are air traffic control or aircraft reporting installations. An installation with 7 masts has previously been observed in Erfurt-Bindersleben. The seventh mast is presumably mounted on the radio truck. For location of Wismar radar station, see Annex 3. 25X1
3. Comment. This installation closes the gap in the aircraft warning net between Puetnitz and Rechlin-Laerz. 25X1
4. Comment. In March 1955, Perleberg radar station still consisted of 1 Token, 1 Kniferest and 1 Fishnet. The radar station near Pritzwalk was reported for the first time. It is assumed that the installation was transferred from Perleberg to Pritzwalk. For sketch of unidentified radar set, see Annex 4. It is possible that the set is of type Kniferest, although this was denied by source. Efforts will be made to obtain more details on the installation. For sketch of entire installation, see Annex 5. 25X1
5. Comment. One Token, 1 Kniferest and 2 Fishnets were observed in the Gardelegen radar station in March 1955. 25X1
6. Comment. The transfer of Flauen radar installation appears credible. For location sketch of new installation, see Annex 6. 25X1
7. Comment. It has not been determined if the large radar set on Kleiner Entenfaengerberg is a Token-type set. The lower horizontal reflector has not been reported previously since the possibilities of observation were limited by trees and brushwood. For sketch of new dipole support, see Annex 7. 25X1
8. Comment. The radar station at Neuhaus am Rennsteig has been repeatedly reported. The sets are quite definitely believed to be of the Kniferest type. Soldiers wearing green-bordered epaulets generally belong to the MVD. It is assumed that Soviet units near the border are mixed with quite a number of MVD personnel. 25X1
9. Comment. The personnel on Luisen Tower probably are aircraft reporting personnel of the aircraft reporting organization of the GDR. The sentry on Justinushoehe probably is an air observation. 25X1

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- 3 -

soldier of the Twenty-Fourth Air Army who is quartered in the former Flak Kaserne which also housed engineer and signal units of the Soviet Army. The Prinz Eugen Kaserne is occupied by AA units which probably established an air warning service on Bismarck Tower.

10. Comment. [redacted] The installation is possibly used for air traffic control. 25X1

11. Comment. These radio installation north of Meissen which are believed to be used for air traffic control were previously reported [redacted]. They resemble the radio installation in Wismar, Schwerin and Johannisthal. Similar radio installations are presumably located at other military posts. 25X1 25X1

12. Comment. [redacted] From the present report it is inferred that each air warning post has a personnel strength of 4 men. 25X1

13. Comment. Signal units of the GSFG are quartered in the barracks installations in Stahnsdorf. It is believed that the large number of radio installations are used for the training of signal soldiers of the Soviet Army and Air Force. Radio installations of 6 radio masts had been observed at Erfurt-Bindersleben airfield in 1954. [redacted] 25X1 25X1

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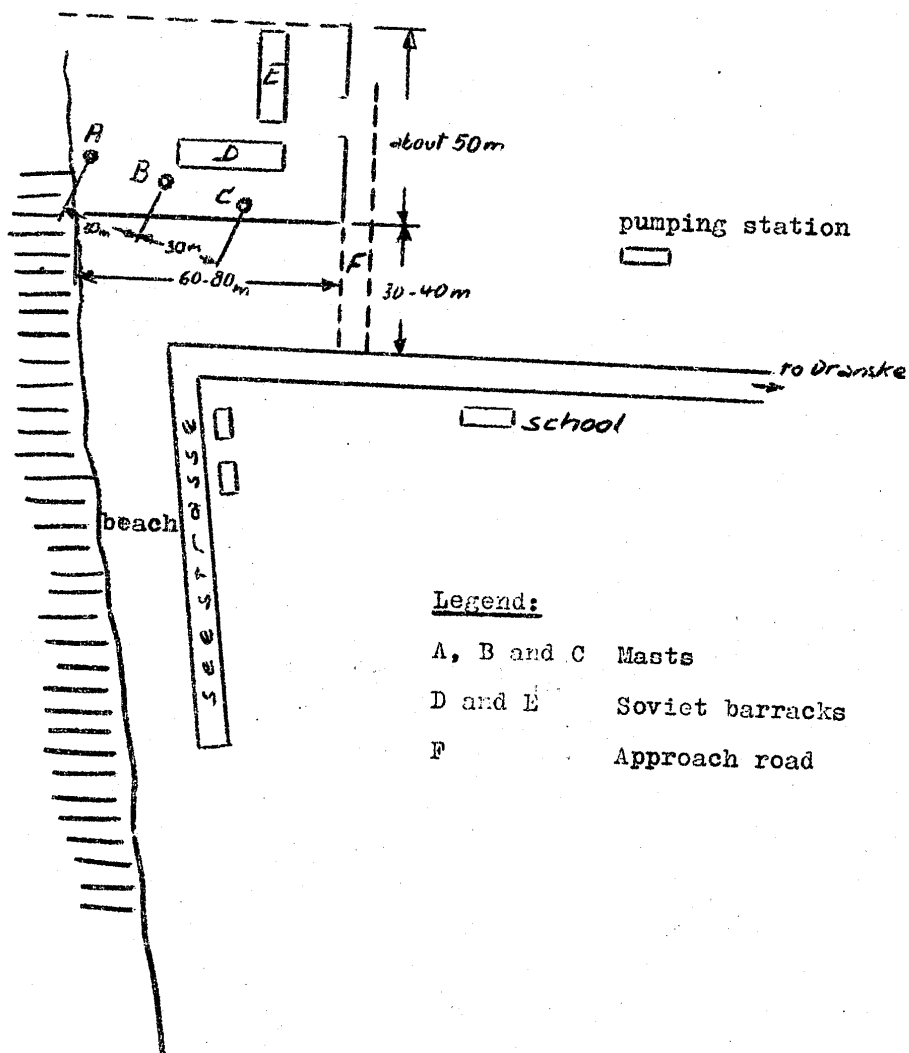
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Annex 1

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Radar Station near Dranske on Ruegen Island



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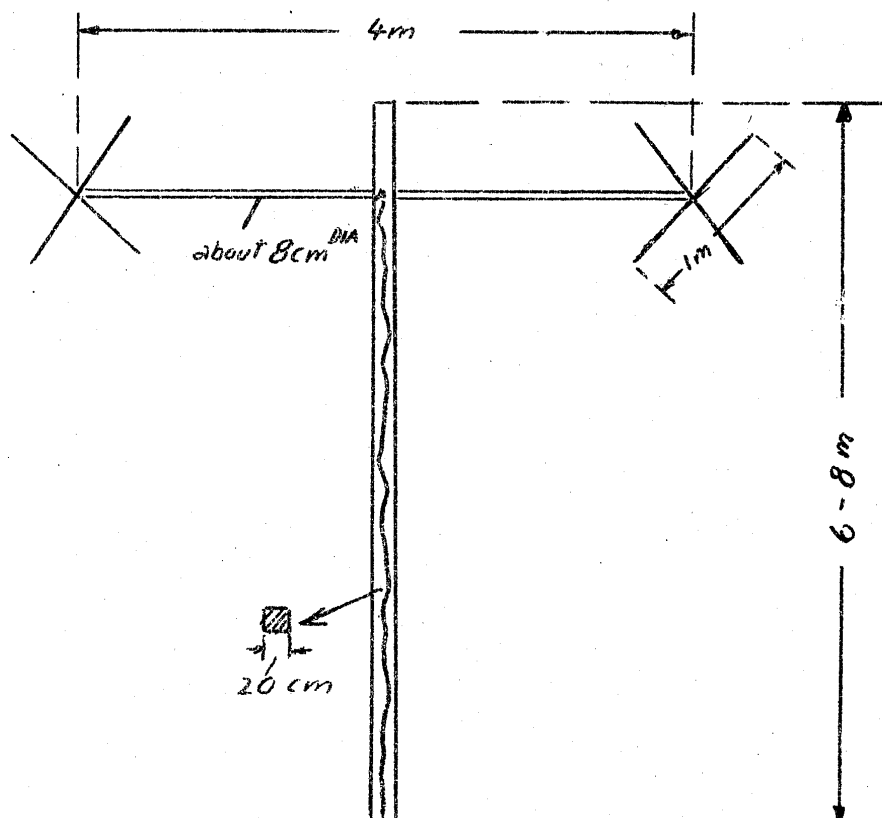
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Annex 2

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Mast of Radar Station Near Dranske on Ruegen Island



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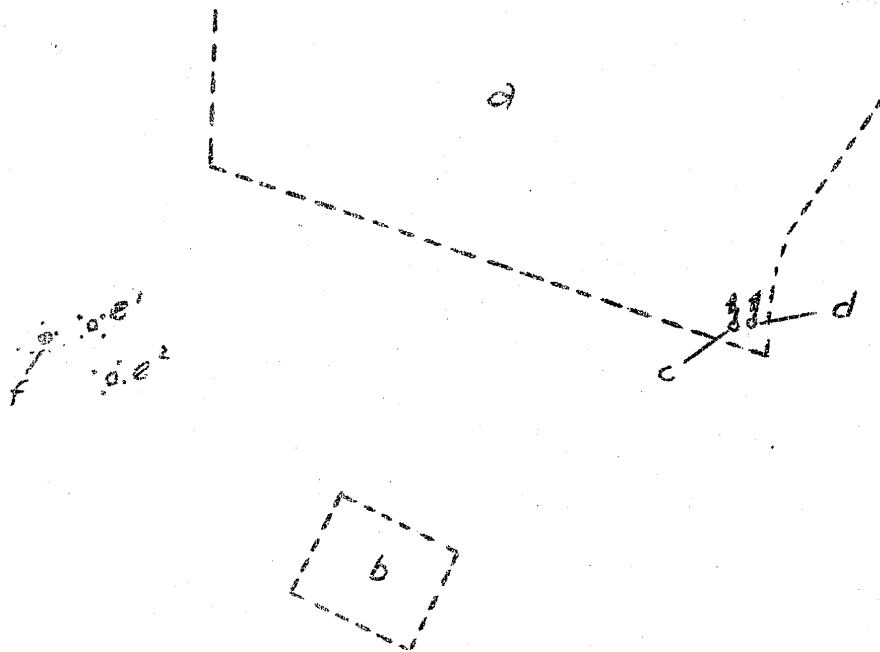
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Radar Station and DF Station Near Wismar

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Legend:

- a Flak Kaserne
- b Ammunition bunker
- c Kniforest
- d Fishnet
- e¹ and e² Four-mast radio installations
- f Radio truck surrounded by 6 radio masts

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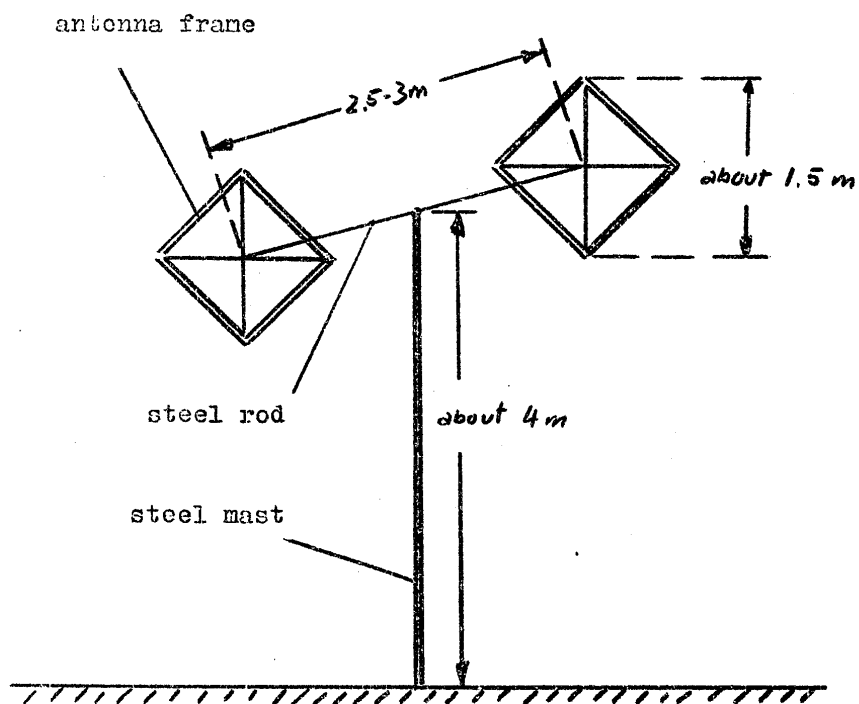


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Annex 4 to

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New and Unidentified Radar Set Observed near Pritzwalk

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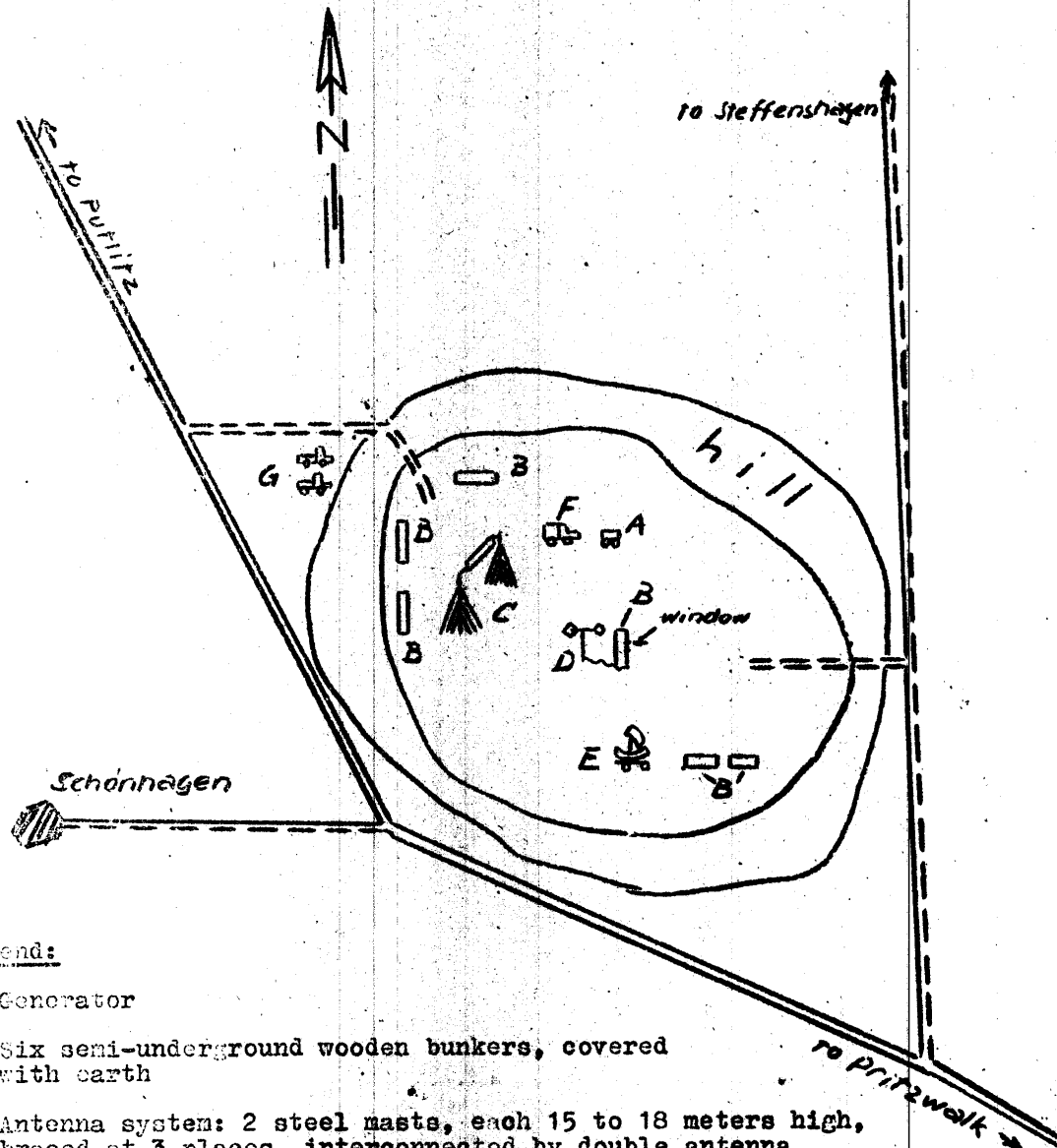
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Annex 5

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Pritzwalk Radar Station



Legend:

- A Generator
- B Six semi-underground wooden bunkers, covered with earth
- C Antenna system: 2 steel masts, each 15 to 18 meters high, braced at 3 places, interconnected by double antenna
- D Radar set of unidentified type with cable connection to bunker
- E Token-type radar set on blocks
- F Radio truck on blocks
- G Two trucks

not to scale

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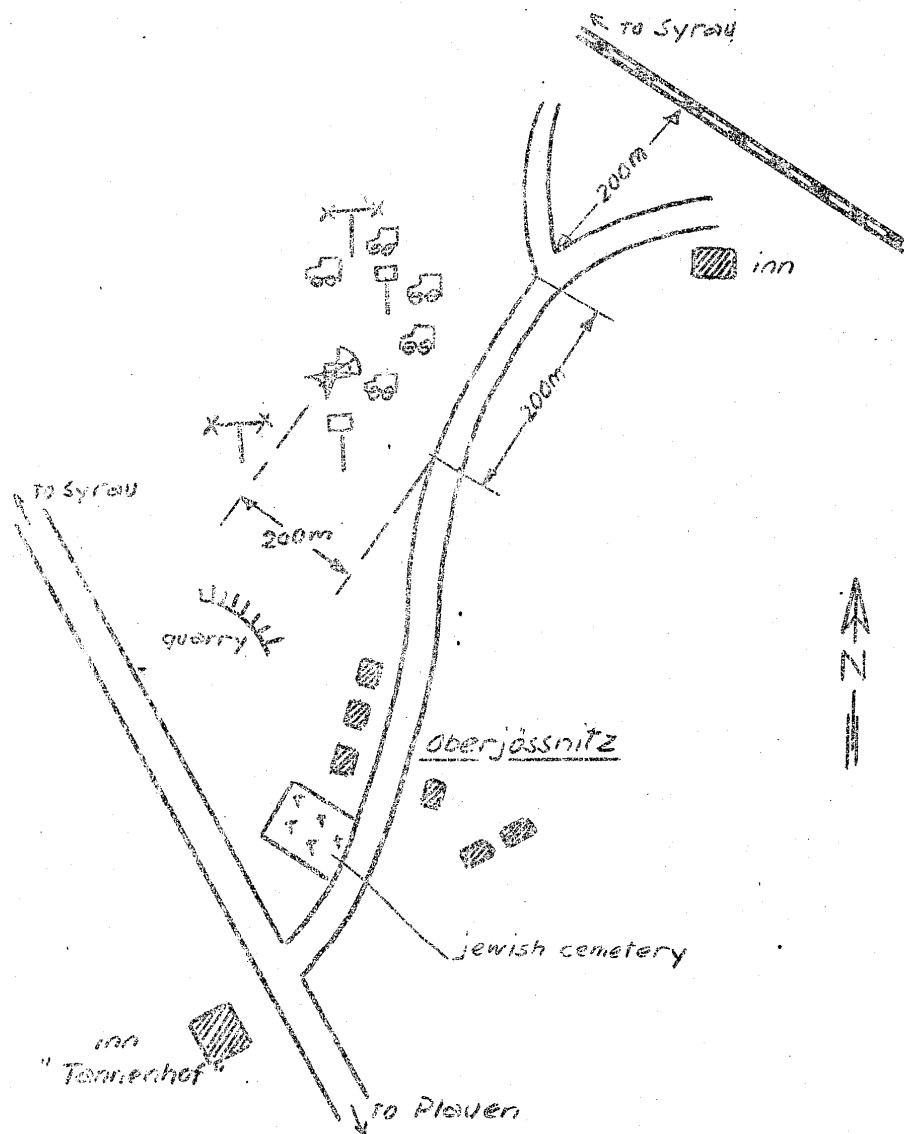
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Annex 6

Location Sketch of Radar Station Near Plauen

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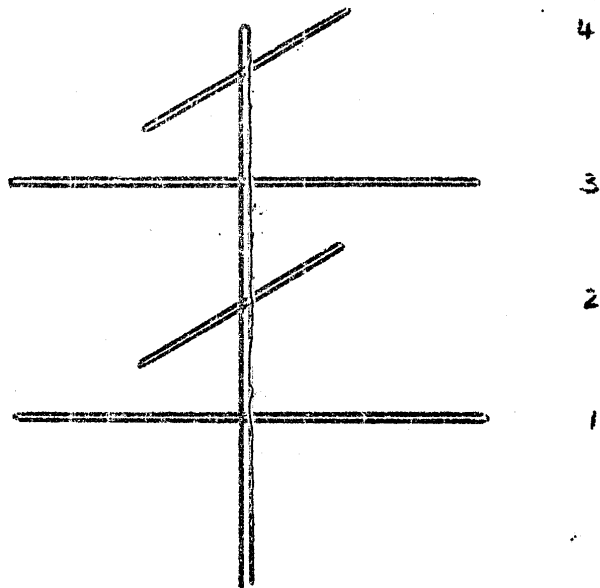


Annex 7



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New Dipole Support Observed in Radar Station Near Werder



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